

BIODEGRADABLE HEAT-SHRINKABLE MULTILAYER FILM

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Abstract:

PROBLEM TO BE SOLVED: To provide a biodegradable heat-shrinkable multilayer film which has superior transparency, gloss and slip performance and can be thermally sealed. **SOLUTION:** The film having a specific shrinkage factor is obtained by stretching a multilayer film at least in one direction. The multilayer film has outer layers of a mixture C consisting of a polylactic acid polymer A containing an L-lactic acid and a D-lactic acid by a composition ratio of 94:6-79:21, and an aliphatic polyhydric alcohol/aliphatic dicarboxylic acid copolymer B synthesized essentially from an aliphatic polyhydric alcohol and an aliphatic dicarboxylic acid or its derivative. A ratio of the B exceeds 0 wt.% and is not larger than 30 wt.%. Moreover, at least one layer is provided between the outer layers, which consists of the A and/or B. A ratio of the A and B in all layers of the multilayer film holds A:B=30:70-75:25 wt.%.